*Caltrans*
**M**etric

*Syn Yee Chin*    03/08/10
REGISTERED ELECTRICAL ENGINEER    DATE

SYN YEE CHIN
No. 18186
Exp. 09/30/2011
ELECTRICAL
STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER

05-06-2010
PLANS APPROVAL DATE

Caltrans now has a web site! To get to the web site, go to http://www.dot.ca.gov

## NOTES:

1. This plan sheet is a record drawing from Skyway Structures contract. The Contractor shall verify the existing installation. See sheet EE-269 from Skyway Structures, Contract No. 04-012024.

2. The installed components shall not be limited to the ones listed below, but shall be a complete installation. For details, see Bridge Structures Girder Westbound, typical Details sheets.
   - Furnish and install the 15kV cables into existing cable tray shown on this drawing. See sheets E-664 and E-665.
   - Furnish and install the TOS fiber optic cables into existing cable tray and conduits shown on this drawing. Pull a 72 fiber in the main tray and terminate in the splice closure. See sheets E-978 through E-981.
   - Inspect for system ground continuity. See sheets E-666 and E-667.

3. All cable trays, conduits and equipment shown on this drawing are existing. Bold ones are to be used for pulling cable.

## SHEET NOTES:

1. Furnish and install splice cable tray as shown on sheet E-663, plan detail 2.

2. Mount splice cable tray between diaphragms, and secure properly. See sheet E-663, section detail 4.

3. Contractor shall locate the splice cable tray at Station 67+91 as shown on E-604.

4. Furnish and install 12 fiber optic cables from Fiber Optic Splice Closure to Controller Cabinet. Route via pull box PB-2B. Coil 3m of cable inside Controller Cabinet for connections by others. The coiled end of the fiber optic cables shall be terminated with mated connectors. See sheets E-972 and E-973.

5. Pull and terminate 50 pair telephone cable in Telephone Terminal Box. See sheets E-960, E-962 and E-964.
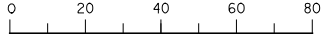
## EQUIPMENT SCHEDULE:

A  Utility Panel UP-134
   100 A, 208/120 V, 3-Phase, 4-Wire

B  Controller Cabinet #TOS-12WA

C  Telephone Terminal Box #TEL-12W

D  Scada Communication Terminal Box #COM-12W

E  Fiber Optic Splice Closure #FSC-12W

℄ Pier E6W
Non-Caltrans Utilities

T50
T10  15 kV
T40  TOS/COM
T20  600 V

℄ "W" Line
"W" Line
67+91

Direction of Traffic
℄ Pier E6W
Barrier
Roadway
PB-2B
A
C
B
Wireway 12W

**SERVICE PLATFORM #12W**
**EQUIPMENT ARRANGEMENT PLAN**
SCALE: 1:40

PB-2B
TEL-12W
Service Platform #12W

**CONDUIT AND GROUNDING PLAN - WB**
SCALE: 1:40

CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

## DETAILS
## BRIDGE STRUCTURES GIRDER WESTBOUND
## SKYWAY STRUCTURES-SERVICE PLATFORM #12W
SCALE AS NOTED

**E-641**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

| DATE | REVISED BY | DATE REVISED |
|---|---|---|
| 01/10 | | |

CALCULATED/DESIGNED BY    CHECKED BY
DESIGN OVERSIGHT    BEHZAD GOLEMOHAMMADI

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS
0  20  40  60  80

LAST REVISION    DATE PLOTTED => 06-MAY-2010
TIME PLOTTED => 18:06
00-00-00

DGN FILE =>04-0120f1_E-641.dgn
USERNAME =>llorico

CU 04251    EA 0120F1